

## **Viral Pathogenesis**

A postdoctoral training position is available in the laboratory of **Dr. J. David Beckham**, in the **department of Internal Medicine** at UT Southwestern Medical Center to study **viral pathogenesis**. The Beckham lab is funded by the NIH and broadly studies arbovirus pathogenesis with a focus on flavivirus, bunavirales, and alphaviruses. The laboratory has several funded projects to study RNA structure and function in the 3'UTR of flaviviruses with an aim to develop novel vaccine approaches. The laboratory is also funded to study the fundamental mechanisms of innate and acquired immune responses in the central nervous system.

Work performed in this role will use clone-derived virus models, tissue culture, and murine models of arbovirus infection to define the innate and acquired immune responses to virus infections. This position will provide education, supervision, and training for other trainees in a diverse laboratory setting as assigned by the PI. Inter-professional skills are vital and required for close collaborations with multiple ongoing projects within the laboratory.

### **Qualifications**

Candidates must hold a recent Ph.D. degree in microbiology, molecular biology, biochemistry, immunology, virology or equivalent.

Established laboratory experience with molecular virology, tissue culture, mouse models of virus infection, flow cytometry, or other advanced research skills in the field of virology is required.

Pass the University required examinations concerning handling of radioactive materials, hazardous chemicals and hazardous biological specimens.

1-2 years of animal work experience, virology experience, or experience in biocontainment laboratory work.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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